

Sheet 1 of 2

| | | | |
|--|--|--|--------------------------------------|
| Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 00786-536001 | Application No. 09/805,354 |
| | Applicant M. Amin Arnaout et al. | | |
| | Filing Date March 13, 2001 | Group Art Unit 1640 | |

U.S. Patent Documents

| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|---------------|------------|----------|-------|----------|----------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| | | | | | | | Yes | No |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|--|
| MH | AQ | Baldwin et al., "Cation Binding to the Integrin CD11b I Domain and Activation Model Assessment" Structure 6:923-935, 1998. |
| MH | AR | Edwards et al., "Mapping the Intercellular Adhesion Molecule-1 and -2 Binding Site on the Inserted..." J. of Biol. Chem. 273:28937-28944, 1998. |
| MH | AS | Emsley et al., "Structural Basis of Collagen Recognition by Integrin $\alpha 2 \beta 1$ " Cell 100:47-56, 2000. |
| MH | AT | Emsley et al., "Crystal Structure of the I Domain from Integrin $\alpha 2 \beta 1$ " J. of Biol. Chem. 272:28512-28517, 1997. |
| MH | AU | Kamata et al., "Direct Binding of Collagen to the I Domain of Integrin $\alpha 2 \beta 1$ (VLA-2, CD49b/CD29)..." J. of Biol. Chem. 269:26006-26010, 1994. |

| | |
|--|------------------------------------|
| Examiner Signature Maher Haddad | Date Considered 11/16/04 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

Sheet 2 of 2

| | | | |
|--|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 00786-536001 | Application No. 09/805,354 |
| | | Applicant M. Amin Arnaout et al. | |
| | | Filing Date March 13, 2001 | Group Art Unit 1644 |

Information Disclosure Statement
by Applicant
(Use several sheets if necessary)

(37 CFR §1.98(b))

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|---|
| Examiner Initial | Desig. ID | Document |
| MH | AV | Kern et al., "The Role of the I Domain in Ligand Binding of the Human Integrin $\alpha_1\beta_1$ " J. of Biol. Chem. 269:22811-22816, 1994. |
| mu | AW | Lee et al., "Crystal Structure of the A Domain from the α Subunit of Integrin CR3 (CD11/CD18)" Cell 80:631-638, 1995. |
| mu | AX | Lee et al., "Two Conformations of the Integrin A-Domain (I-Domain): A Pathway for Activation?" Structure 3:1333-1340, 1995. |
| mtt | AY | Legge et al., "NMR Solution Structure of the Inserted Domain of Human Leukocyte Function Associate Antigen-1" J. Mol. Biol. 295:1251-1264, 2000. |
| mtt | AZ | Li et al., "Two Functional States of the CD11b A-Domain: Correlations with Key Features of Two..." J. of Cell. Biol. 143:1523-1534, 1998. |
| mtt | AAA | Michishita et al., "A Novel Divalent Cation-Binding Site in the A Domain of the β_2 Interin CR3.." Cell 72:857-867, 1993. |
| mtt | ABB | Nolte et al., "Crystal Structure of the $\alpha_1\beta_1$ Integrin I-Domain: Insights into Integrin I-Domain Function" FEBS Letters 452:379-385, 1999. |
| mtt | ACC | Oxvig et al., "Conformational Changes in Tertiary Structure Near the Ligand Binding Site of an Integrin I Domain" Proc. Nat'l. Acad. Sci. USA 96:2215-2220, 1999. |
| mtt | ADD | Rieu et al., "Solvent-accessible Residues on the Metal Ion-dependent Adhesion Site Face of Integrin CR3..." J. of Biol. Chem. 271:15858-15861, 1996. |
| mtt | AEE | Smith et al., "The Arg-Gly-Asp Binding Domain of the Vitronectin Receptor" J. of Biol. Chem. 263:18726-18731, 1988. |
| mtt | AFF | Zhang et al., "Amino Acid Sequences Within the α Subunit of Integrin $\alpha_m\beta_2$ (Mac-1) Critical for Specific Recognition of C3bi" Biochemistry 38:8064-8071, 1999. |
| mtt | AGG | Zhang et al., "A Discrete Site Modulated Activation of I Domains" J. of Biol. Chem. 271:29953-29957, 1996. |

| | |
|--|-----------------------------|
| Examiner Signature <i>Maheer Haddad</i> | Date Considered 11/16/04 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|---|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 00786-536001 | Application No. 09/805,354 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR 1.98(b)) | | Applicant M. Amin Arnaout et al. | |
| | | Filing Date March 13, 2001 | Group Art Unit 1644 |

U.S. Patent Documents

| Examiner Initial | Desig. ID | Patent Number | Issue Date | Patentee | Class | Subclass | Filing Date If Appropriate |
|------------------|-----------|---------------|------------|----------|-------|----------|----------------------------|
| | AA | | | | | | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

Foreign Patent Documents or Published Foreign Patent Applications

| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
|------------------|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| | | | | | | | Yes | No |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

Other Documents (include Author, Title, Date, and Place of Publication)

| Examiner Initial | Desig. ID | Document |
|------------------|-----------|---|
| MH | AQ | Xiong et al., "An Isoleucine-based Allosteric Switch Controls Affinity..." J. of Biol. Chem. 275:38762-38767, 2000. |
| | AR | |
| | AS | |
| | AT | |

| | |
|--|-----------------------------|
| Examiner Signature <i>Maher Haddad</i> | Date Considered 11/16/04 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |

| | | | |
|---|--|---------------------------------------|-------------------------------|
| Substitute Form PTO-1449 (Modified) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 00786-536001 | Application No. 09/805,354 |
| Information Disclosure Statement by Applicant (Use several sheets if necessary) | | Applicant M. Amin Amaout et al. | |
| Filing Date March 13, 2001 | | Group Art Unit 1644 | |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|----------------|----------------|------------------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| m+t | AA | 5,985,278 | 11/16/1999 | Mitjans et al. | 424 | 143.1 | |
| | AB | | | | | | |
| | AC | | | | | | |
| | AD | | | | | | |
| | AE | | | | | | |
| | AF | | | | | | |
| | AG | | | | | | |
| | AH | | | | | | |
| | AI | | | | | | |
| | AJ | | | | | | |
| | AK | | | | | | |

RECEIVED
 FEB 21 2003
 TECH CENTER 1600/2900

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AL | | | | | | | |
| | AM | | | | | | | |
| | AN | | | | | | | |
| | AO | | | | | | | |
| | AP | | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|----------|
| Examiner Initial | Desig. ID | Document |
| | AQ | |
| | AR | |
| | AS | |
| | AT | |

| | |
|--|-----------------------------|
| Examiner Signature <i>Maher Haddad</i> | Date Considered 11/16/04 |
| EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. | |